

OPINION 1784

***Buprestis* Linnaeus, 1758 and *Chrysobothris* Eschscholtz, 1829 (Insecta, Coleoptera): conserved by the designation of *Buprestis octoguttata* Linnaeus, 1758 as the type species of *Buprestis*, and *Chrysobothris* and *Dicerca* Eschscholtz, 1829: conserved as the correct original spellings**

Ruling

- (1) Under the plenary powers:
 - (a) all previous fixations of type species for the nominal genus *Buprestis* Linnaeus, 1758 are hereby set aside and *Buprestis octoguttata* Linnaeus, 1758 is designated as the type species;
 - (b) the correct original spellings of the generic names *Chrysobotr*s Eschscholtz, 1829 and *Dicerca* Eschscholtz, 1829 are hereby ruled to be *Chrysobothris* and *Dicerca* respectively.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
 - (a) *Buprestis* Linnaeus, 1758 (gender: feminine), type species by designation in (1)(a) above *Buprestis octoguttata* Linnaeus, 1758;
 - (b) *Chrysobothris* Eschscholtz, 1829 (gender: feminine), spelling ruled in (1)(b) above, type species by subsequent designation by Westwood ([1838]) *Buprestis chrysostigma* Linnaeus, 1758;
 - (c) *Dicerca* Eschscholtz, 1829 (gender: feminine), spelling ruled in (1)(b) above, type species by subsequent designation by Westwood ([1838]) *Buprestis aenea* Linnaeus, 1761.
- (3) The following names are hereby placed on the Official List of Specific Names in Zoology:
 - (a) *octoguttata* Linnaeus, 1758, as published in the binomen *Buprestis octoguttata* (specific name of the type species of *Buprestis* Linnaeus, 1758);
 - (b) *chrysostigma* Linnaeus, 1758, as published in the binomen *Buprestis chrysostigma* (specific name of the type species of *Chrysobothris* Eschscholtz, 1829);
 - (c) *aenea* Linnaeus, 1761, as published in the binomen *Buprestis aenea* (specific name of the type species of *Dicerca* Eschscholtz, 1829).
- (4) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:
 - (a) *Chrysobotris* Eschscholtz, 1829 (ruled in (1)(b) above to be an incorrect original spelling of *Chrysobothris* Eschscholtz, 1829);
 - (b) *Dicerca* Eschscholtz, 1829 (ruled in (1)(b) above to be an incorrect original spelling of *Dicerca* Eschscholtz, 1829);
 - (c) *Odontomus* Kirby, 1837 (a junior objective synonym of *Chrysobothris* Eschscholtz, 1829).

History of Cases 2758 and 2772

An application (Case 2758) to conserve the usage of both *Buprestis* Linnaeus, 1758 and *Chrysobothris* Eschscholtz, 1829 by the designation of *B. octoguttata* Linnaeus,

1758 as the type species of *Buprestis* was received from Prof G.H. Nelson (*College of Osteopathic Medicine of the Pacific, Pomona, California, U.S.A.*) and Dr W.F. Barr (*University of Idaho, Moscow, Idaho, U.S.A.*) on 8 February 1990. An application (Case 2772) to conserve the spelling of *Chrysobothris* and of *Dicerca* Eschscholtz, 1829 was received from Prof Nelson on 10 May 1990. After correspondence the cases were published in BZN 50: 23–26 (March 1993) and BZN 49: 120–121 (June 1992) respectively. Notice of the cases was sent to appropriate journals.

A comment in support of the designation of *Buprestis octoguttata* as the type species of *Buprestis* was received from Dr Richard L. Westcott (*Oregon Department of Agriculture, Salem, Oregon, U.S.A.*) and published in BZN 50: 231 (September 1993).

Comments in support of the conservation of the spellings of *Chrysobothris* and *Dicerca* from Dr Westcott and from Dr Svatopluk Bílý (*National Museum, Praha, Czech Republic*) were published in BZN 49: 290 (December 1992). A further comment in support of the spellings from Dr Charles L. Bellamy (*Escondido, California, U.S.A.*) was published in BZN 50: 56 (March 1993).

Support for both applications was received from Dr Hans Silfverberg (*Universitetets Zoologiska Museum, Helsingfors, Finland*).

Herr Hans Mühle (*München, Germany*) submitted a similar application for the conservation of the spelling of *Dicerca* (see footnote on BZN 49: 120) subsequent to the receipt of that from Prof Nelson.

Decisions of the Commission

On 1 March 1994 the members of the Commission were invited to vote separately on the proposals published in BZN 49: 121 (Case 2772) and in 50: 23 (Case 2758). At the close of the voting period on 1 June 1994 the votes for both sets of proposals were as follows:

Affirmative votes — 26: Bayer, Bock, Bouchet, Cocks, Corliss, Dupuis, Hahn, Halvorsen, Heppell, Holthuis, Kabata, Kraus, Lehtinen, Macpherson, Mahnert, Martins de Souza, Minelli, Nielsen, Nye, Savage, Schuster, Starobogatov, Štys, Thompson, Trjapitzin, Willink

Negative votes — none.

No votes were received from Cogger and Uéno.

Ride was on leave of absence.

Original references

The following are the original references to the names placed on Official Lists and an Official Index by the ruling given in the present Opinion:

aenea, *Buprestis*, Linnaeus, 1761, *Fauna Suecica*, Ed. 2, p. 213.

Buprestis Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 408.

Chrysobothris Eschscholtz, 1829, *Zoologischer Atlas, enthaltend abbildungen und Beschreibungen neuer Thierarten ... auf der Russisch-Kaiserlichen Kriegsschlupp Predpriaetië in den Jahren 1823-1826*, part 1, p. 9 (incorrectly spelled as *Chrysobotris*).

Chrysobotris Eschscholtz, 1829, *Zoologischer Atlas, enthaltend abbildungen und Beschreibungen neuer Thierarten ... auf der Russisch-Kaiserlichen Kriegsschlupp Predpriaetië in den Jahren 1823-1826*, part 1, p. 9 (an incorrect original spelling of *Chrysobothris*).

chrysostigma, *Buprestis*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 409.

Dicerca Eschscholtz, 1829, *Zoologischer Atlas, enthaltend abbildungen und Beschreibungen neuer Thierarten ... auf der Russisch-Kaiserlichen Kriegsschlupp Predpriaetië in den Jahren*

1823-1826, part 1, p. 9 (incorrectly spelled as *Dicerea*).

Dicerea Eschscholtz, 1829, *Zoologischer Atlas, enthaltend abbildungen und Beschreibungen neuerer Thierarten ... auf der Russisch-Kaiserlichen Kriegsschlupp Predpriaetië in den Jahren 1823-1826*, part 1, p. 9 (an incorrect original spelling of *Dicercia*).

octoguttata, *Buprestis*, Linnaeus, 1758, *Systema Naturae*, Ed. 10, vol. 1, p. 408.

Odontomus Kirby, 1837, in Richardson, J., *Fauna Boreali-Americana, or the zoology of the northern parts of British America*, part 4, p. 156.

The following is the reference for the designation of *Buprestis chrysostigma* Linnaeus, 1758 as the type species of *Chrysobothris* Eschscholtz, 1829 and of *B. aenea* Linnaeus, 1761 as the type species of *Dicercia* Eschscholtz, 1829:

Westwood, J.O. [1838]. *Synopsis of the genera of British insects*, p. 24 (published with *An introduction to the modern classification of insects* ..., vol. 1, part 3, pp. 113-160).